## **Colorado Department of Transportation Structure Inspection and Inventory Report (English Units)**

Mile Post (ON)11: 25.964 mi

lge Key: F-17-IE		Inspection Date: 8/2	22/2011	Sufficiency Rating: 84.0	Not Eligib
Ign/Sectn 2E/2M:	68	Hist Signif 37:	5	UW Inspection Date 93B	
rans Region 2T	02	Posting status 41:	Α	SI Date 93C:	
County Code 3:	035	Service on/un 42A/B:	1 4	Bridge Cost 94:	\$ 0
OUGLAS		Main Mat/Desgn 43A/B:	6 2	Roadway Cost 95:	\$ 0
lace Code 4:	45955	Appr Mat/Desgn 44A/B:	0 0	Total Cost 96:	\$ 0
ONE TREE		Main Spans Unit 45:	3	Year of Cost Estimate 97:	
te.(On/Under)5A:	1	Approach Spans 46:	0	Brdr Brdg Code/% 98A/B:	
igning Prefix 5B:	3	Horiz Clr 47:	68.0 ft	Border Bridge Number 99:	
evel of Service 5C:	1	Max Span 48:	65.0 ft	Defense Highway 100:	1
Pirectional Suffix 5E:		Str Length 49:	172.0 ft	Parallel Structure 101:	N
	0		0.0 ft 0.0 ft		1
eature Intersected 6:		Curb Wdth L/R 50A/B:		Direction of Traffic 102:	1
AMP TO I 25 SBND	R	Width Curb to Curb 51	68.0 ft	Temporary Structure 103	<u> </u>
acility Carried 7:		Width Out to Out 52:	71.5 ft	Highway System 104:	1
AMP TO SH 470 ML		Deck Area:	12,303.1 sq. ft	Fed Lands Hiway 105:	0
lias Str No.8A:		Min Clr Ovr Brdg 53:	99.99	Year Reconstructed 106	1991
		Min Undrclr Ref 54A:	H	Deck Type 107:	1
rll Str No. 8P		Min Undrolr 54B:	16.9 ft	Wearing Surface 108A	6
		Min Lat Clrnce Ref R 55A:	Н	Membrane 108B:	2
ocation 9:	328.051174090	Min Lat Undrolr R 55B:	6.8 ft	Deck Protection 108C:	1
B ONRAMP N.OF C	470 & I25	Min Lat Undrclr L 56:	4.416010354	Truck ADT 109:	5 %
Max Clr 10:	99.99	Deck 58:	7	Trk Net 110:	1
aseHiway Net12:	0	Super 59:	7	Pier Protection 111:	#
sinvRout 13A	000000000	Sub 60:	7	NBIS Length 112:	Υ
ssubRout No13B:	00	Channel/Protection 61:	N	Scour Critical 113:	N
atitude 16:	39d 33' 29"	Culvert 62:	N	Scour Watch 113M:	
ongitude 17:	104d 52' 18"	Oprtng Rtg Method 63:	5 No rating	Future ADT 114:	142,080
lange18A:	67 W	Operating Rating 64:	65.0	Year of Future ADT 115	2028
ownship18B:	67	Inv Rtng Method 65:	5	CDOT Str Type 120A:	CPGC
ection18C:	3	Inventory Rating 66:	41.0	CDOT Constr Type 120B	31
etour Length 19:	2.0 mi	Asph/Fill Thick 66T:	003 "in"	Inspection Indic 122A:	
oll Facility 20:	3	Str. Evaluation 67:	7	Inspection Trip 122AA	
Sustodian 21:	1	Deck Geometry 68:	6	Scheduling Status 122B	
Owner 22:	1	Undrcir Vert/Hor 69:	5	Maintenance Patrol 123	30
unctional Class 26:	12	Posting 70:	5	Expansion Dev/Type124	C
ear Built 27:	1983	Waterway Adequacy 7	N	Brdg Rail Type/Mod 125A/B	R
anes on 28A:	4	Approach Alignment 72:	8	Posting Trucks 129A/B/C	0 0 0
anes Under 28B:	1		0		6/11/1998
•		Type of Work 75A:		Str Rating Date 130:	
DT 29:	88,800	Work Done By 75B:	0.0 ft	Special Equip 133:	-1
ear of ADT 30:	2008	Length of Improvment 76:	0.0 ft	Vert Clr N/E 134A/B/C:	X 99.99 0.0
esign Load 31:	6	Insp Team Indicator 90B:	BLUE TEAM	Vert Clr S/W 135A/B/C	S 16.92 16.
pr Rdwy Width 32:	68.0 ft	Inspector Name 90C:	BUTKOVICHJ	Vertical Clr Date:	10/2/2009
ledian 33:	0	Frequency 91:	24 months	Weight Limit Color: 139	0
kew 34:	51.00 °	FC Frequency 92A:	-1	Str Billing Type:	U
tructure Flared 35:	1	UW Frequency 92B:	-1	Userkey 1 - System:	ONSYS
	1 1 1 1	SI Frequency 92C:	-1	Userkey 7-Update Indid	

Inspector Name: BUTKOVICHJ

## **Colorado Department of Transportation Structure Inspection and Inventory Report (English Units)**

Mile Post (ON)11: 25.964 mi

#### **Element Inspection Report**

Elm/En	Description	Units	Total Qty	% in 1	CS 1	% in 2	CS 2	% in 3	CS 3	% in 4	CS 4	% in 5	CS 5
14/4	P Conc Deck/AC Ovly	(SF)	12,298	0 %	0	100 %	12,298	0 %	0	0 %	0	0 %	0
109/4	P/S Conc Open Girder	(LF)	1,360	100 %	1,355	0 %	5	0 %	0	0 %	0	0 %	0
205/4	R/Conc Column	(EA)	16	100 %	16	0 %	0	0 %	0	0 %	0	0 %	0
215/4	R/Conc Abutment	(LF)	227	100 %	227	0 %	0	0 %	0	0 %	0	0 %	0
234/4	R/Conc Cap	(LF)	227	100 %	227	0 %	0	0 %	0	0 %	0	0 %	0
301/4	Pourable Joint Seal	(LF)	227	100 %	227	0 %	0	0 %	0	0 %	0	0 %	0
302/4	Compressn Joint Seal	(LF)	227	100 %	227	0 %	0	0 %	0	0 %	0	0 %	0
321/4	R/Conc Approach Slab	(EA)	2	100 %	2	0 %	0	0 %	0	0 %	0	0 %	0
325/4	Slope Prot/Berms	(EA)	1	100 %	1	0 %	0	0 %	0	0 %	0	0 %	0
326/4	Bridge Wingwalls	(EA)	4	100 %	4	0 %	0	0 %	0	0 %	0	0 %	0
331/4	Conc Bridge Railing	(LF)	244	100 %	244	0 %	0	0 %	0	0 %	0	0 %	0
333/4	Other Bridge Railing	(LF)	100	100 %	100	0 %	0	0 %	0	0 %	0	0 %	0
340/4	Superstr Cnc Coating	(EA)	1	100 %	1	0 %	0	0 %	0	0 %	0	0 %	0
341/4	Substr Conc Coating	(EA)	1	100 %	1	0 %	0	0 %	0	0 %	0	0 %	0
359/4	Soffit Smart Flag	(EA)	1	100 %	1	0 %	0	0 %	0	0 %	0	0 %	0

Elem/Env	Description	Element Notes
14/4	P Conc Deck/AC Ovly	4 inches of asphalt. New overlay looks good, but does not goe all the way to the railing so it is rough there.
109/4	P/S Conc Open Girder	Few small nicks and patches in the top flange of Girder D (formerly an exterior girder). Girder 3E has several hairline cracks with efflor. in top flange near Abutment 4.
205/4	R/Conc Column	Good condition.
215/4	R/Conc Abutment	Few light vertical cracks, one with efflor. in Abutment 1. Some minor cracks along the embedded girder ends. The acute corner at Abutment 1 on left, has a broken corner just above the slope pavement. Two pieces of #4 rebar are protruding out of the abutment ledge at Abutment 4 in Bay E. Moderate vert. crack in Abutment 4 at Girder 3D.
234/4	R/Conc Cap	Good condition.
301/4	Pourable Joint Seal	Between approach slabs and deck endd. Asphalt covered.
302/4	Compressn Joint Seal	Seals are located between the approach slabs and the approach roadway. Covered with asphalt.
321/4	R/Conc Approach Slab	Covered with asphalt.
325/4	Slope Prot/Berms	Concrete paving on Abutment 1 slope, with 6 ft 7 ft. high retaining wall at toe. Some minor horiz. cracking.
326/4	Bridge Wingwalls	Few light vertical cracks, with some cracking in the cold joints.

#### Highway Number (ON) 5D: 470A

# Colorado Department of Transportation Structure Inspection and Inventory Report (English Units)

Mile Post (ON)11:	25.964 mi
	<u> </u>

Elem/Env	Description	Element Notes
331/4	Conc Bridge Railing	Concrete Jersey barriers (Type R bridge rail) on both sides above Spans 1 & 3. Typical light vertical cracks spaced 3 to 6 feet apart. Light scale throughout the left rail. Several scrapes from snow plows.
333/4	Other Bridge Railing	5 Ft. high chainlink debris fence on top of Jersey barrier at both sides above Span 2. Typ. light vert. cracks in concrete portion, and some light scale.
340/4	Superstr Cnc Coating	On exterior girders, overhangs, and bridge rail. Peeling in spots on girders and rail.
341/4	Substr Conc Coating	On abutments, wingwalls, pier columns, and pier caps. Looks good.
359/4	Soffit Smart Flag	Some hairline to light transverse cracks with efflorescence (See 2003 SKETCH). Water stains from leaking around the ulility box in Span 1.

#### **Maintenance Activity Summary**

MMS Activ	vity Description	Recommended Stat	us Target Year	Est Cost
352.01	Cln & Wash	7/29/2003 -1	2013	300

Clean sand and debris from deck drains.

#### **Bridge Notes**

The center span is over the RTD Light Rail, which was not accessed in 2007, 2009, or 2011, but the girders, deck bottom, pier columns, and pier caps in Span 2 can all easily be seen from Spans 1 & 3.

Thu 9/29/2011 07:37:46 Page 210 of 214

### Highway Number (ON) 5D: 470A 1

# Colorado Department of Transportation Structure Inspection and Inventory Report (English Units)

Mile Post (ON)11: 25.964 mi

### **Inspection Notes**

Time: 6:45 am	Temp: 70	) Weather:	Clear	Team Leader:	AM		
	•						
Scope:							
✓ NBI: ✓ Ele	ement:	Inderwater:	Fr	acture Critical:	Other:	Type: Regular NBI	
Inspector:	BUTKOVIC	HJ	Ir	spection Team:			
Inspection Date:	08/22/20	11					
			Ins	spector			
			Ins	spector			